appreciable amounts, there would be the utmost danger of re-ignition, and of a blast furnace being created in the ash chute. The heat thus generated would bring the whole of the back end of the furnace down in a molten mass.

The Damping of Coal.—A certain amount of trouble was experienced

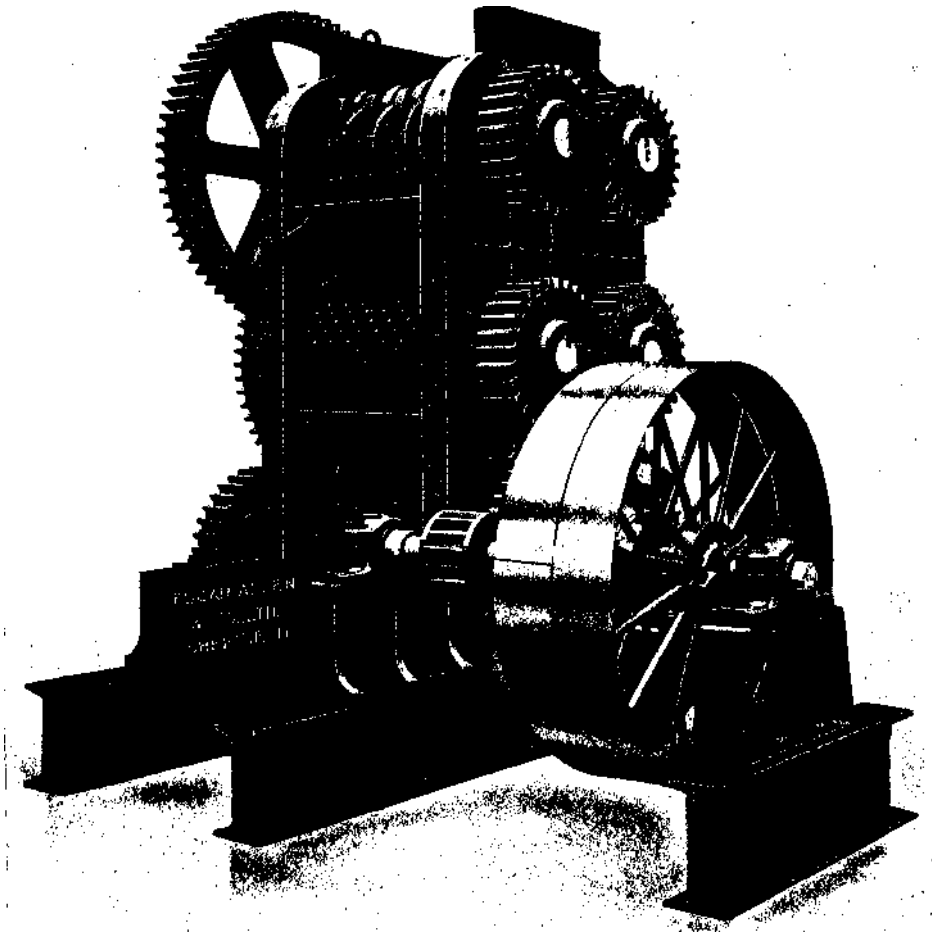

Fig. i.—Coal Crusher

with the fuel prepared in the manner described, until a practical way was discovered of damping the whole of the fuel before it was put into the boiler-house bunkers. This damping, which adds perhaps 2 or 3 per cent of moisture to the coal, was found to be best carried out while the coal is on the conveyor, and before it is dropped into the bunkers. The action -of dropping the coal and the water together from the conveyor into the bunker proved to give all the stirring that was necessary to secure a proper mixing.